

BLAGOJEVIC, Milan

Surgical treatment of paralytic ectropium. Voj. san. pregl., Beogr.  
14 no.6:328-333 June 57.

1. Očna klinika Medicinskog fakuteta u Beogradu.  
(ECTROPION, surg.  
paralytic (Ser))

KECMANOVIC, Zlatimir; BLAGOJEVIC, Milan

Changes in the organ of vision in temporal arteritis. (Morbus Horton). Srpski arh. celok. lek. 87 no.6:535-543 Je '59.

1. Klinika za ocne bolesti Medicinskog fakulteta u Beogradu,  
upravnik: prof. dr Vladimir Cavka.  
(ARTERITIS diag.)  
(EYE diag.)

LITRIGIN, O.; BIAGOJEVIC, M.

Patho-histological verification of tuberculous nature of certain eye diseases. Tuberkuloza, Beogr. 11. no. 4: 439-446 O-D '59.

1. Klinika za očne bolesti Medicinskog fakulteta, Beograd  
(upravnik: prof. dr. V. Čavka).  
(TUBERCULOSIS OCULAR diag.)

BLAGOJEVIC, Milan

Tuberculosis and the organ of vision. Tuberkuloza, Beogr. 12 no.4:  
53-65 '60.

1. Klinika za ocne bolesti Medicinskog fakulteta, Beograd (upravnik:  
prof. dr I. Stankovic)

(TUBERCULOSIS compl) (EYE)

BLAGOJEVIC, Milan

SURNAME (in caps); Given Names

Country: Yugoslavia

Academic Degrees: Docent Dr

Affiliation: Clinic for Eye Ailments of the Medical Faculty (Klinika za ocne  
bolesti Medicinskog fakulteta) Belgrade; Director: Prof Dr I Stankovic.  
Special Hospital for the Treatment of Pulmonary and Ocular Tuber-  
culosis (Specijalna bolnica za lecenje tbc pluca i ociju), Ozren  
near Soko-Banja; Director: Dr Minic

Source: Belgrade, Narodno Zdravlje, Vol XVII, No 5, May 1961,  
pp 158-161

Data: "Activities of the Ophthalmological Department of the  
Special Hospital for the Treatment of Pulmonary and  
Ocular TB in Ozren during 1956-1960."

BLAGOJEVIC, Milan, dr.

Evolution of trachomatous processes. Glas. hig. inst. 10 no.1/2:  
47-54 Ja-Je '61.

1. Očna klinika Medicinskog fakulteta u Beogradu Upravnik: Prof. dr  
I. Stankovic.

(TRACHOMA)



BLAGOJEVIC, Milan

Data used as a basis for the diagnosis of tuberculous iridocyclitis. Srpski arh. celok. lek. 90 no.4:435-446 Ap '62.

1. Klinika za očne bolesti Medicinskog fakulteta Univerziteta u Beogradu Upravnik: prof. dr. Ivan Stankovic.  
(TUBERCULOSIS OCULAR)



YUGOSLAVIA

Milan BLAGOJEVIC and Ruzica GRBIC, Eye Clinic of Medical Faculty (Ocna klinika Medicinskog fakulteta) Head (upravnik) Prof Dr Ivan STANKOVIC, University of Belgrade; and Eye Department of General Hospital (Ocno odeljenje Opste bolnice) Chief (sef) Dr Margita MLADINEO, Osijek.

"Infiltration of Upper Lid as First Symptom of Acute Myeloid Leukemia."

Belgrade, Srpski Arhiv za Celokupno Lekarstvo, Vol 90, No 5, May 1962; pp 551-556.

Abstract [English summary modified]: Case report of a 23-year-old girl with the presenting symptom of swelling of upper left lid of 3 days' duration; tentative diagnosis abscess; routine hemogram at admission first indicated correct diagnosis. Rapid downhill course, multiple hemorrhages, died 2 weeks later. Two photographs, 11 Western and 3 Yugoslav references.

1/1

BLAGOJEVIC, Milan, doc. dr.; GAJIC, Slobodan, dr.

Pyocyanus (Pseudomonas aeruginosa) infection in ophthalmology.  
Med. glas. 18 no.1:34-38 Ja-F '64

1. Klinika za ocne bolesti Medicinskog fakulteta u Beogradu  
(Upravniki: prof. dr. I. Stankovic) i Zavod za zdravstvenu  
zastitu Socijalisticke Republike Srbije (Direktor: prof. dr.  
J. Cekic).

BLAGOJEVIC, Milan; JOVCIC, Olivera

Surgical treatment of congenital glaucoma. Srpski arch. celok. lek.  
92 no.3:265-277 Mr '64.

1. Klinika za ocne bolesti Medicinskog fakulteta Univerziteta  
u Beogradu (Upravnik: prof. dr. Ivan Stankovic).

STEVANCEVIC, D.B.; BLAGOJEVIC, O.

1-phenyl tetrazoline-5-thione as analytical reagent. Pt. 2.  
Bul Inst Nucl 12:115-119 0 '62.

1. The Institute of Nuclear Sciences "Boris Kidrich," Department  
of Physical Chemistry, Vinca.

BLAGOJEVIC, Radomir, ing. (Krusevac, Trg oktobarske revolucije 14/II)

System of the centralized preparation, distribution, and control  
of work sheets in the metal processing and similar industries.  
Tehnika Jug 17 no.10:Suppl.: Organizacija rada 12 no.10:2003-2011  
0 '62.

1. Direktor fabrike postrojenja preduzeca "14. oktobar", Krusevac.

BLAGOJEVIC, Radomir, inz. (Krusevac, Trg oktobarske revolucije 14)

Modern ways and means for economical building of metallic constructions. Pt. 1. Tehnika Jug 18 no.5:Suppl.:Masinstvo 12 no. 5:873-880 My '63.

1. Direktor fabrikepostrojenja industrije "14. oktobar", Krusevac.

BLAGOJEVIC, Radomir, inz. (Krusevac, Trg oktobarske revolucije 14).

Modern ways and means for economical building of structures.  
Pt. 2. Tehnika Jug 18 no.6:Suppl.:Masinstvo 12 no.6:1083-  
1090 Je '63.

1. Direktor fabrike postrojenja Industrije "14. oktobar",  
Krusevac).

BLAGOJEVIC, Radomir, inz. (Krusevac, Trg oktobarske revolucije 14/II)

Study of automation, an important factor and incentive  
in the economy of production. Tehnika Jug 18 no. 8:  
Supplement: Masinstvo 12 no. 8: 1481-1490 Ag '63.

1. Direktor fabrike postrojenja Industrije "14. oktobar",  
Krusevac.



BLAGOJEVIC, Radomir, inz. (Krusevac, Trg oktobarske revolucije 14)

New ways and means in the production technique respecting measurements and quality maintenance. Tehnika Jug 19 no. 1:Suppl:Masinstvo 13 no.1:97-107 Ja '64.

1. Direktor fabrike postrojenja Industrije "14. oktobar", Krusevac.

BLAGOJEVIC, Radomir, inz. (Krusevac, Trg oktobarske revolucije 14)

Definition concepts and basic activities of automatic  
working systems. Tehnika Jug 19 no.3:Suppl:Masinstvo 13  
no.3:487-494 Mr '64.

1. Director, "14.oktobar" Works, Krusevac.

BLAGOJEVIC, Radomir, inz. (Krusevac, Trg oktobarske revolucije 14)

Some mathematical methods in determining the forms and course  
of automatic control. Tehnika Jug 19 no.6: Suppl: Masinstvo 13  
no.6:1063-1073 Je '64.

1. Director, "Industrija 14. oktobar" Assembly Plant, Krusevac.

BLAGOJEVIC, S. YUGOSLAVIA

PESIC, Dr V., and Drs B. OJKIC, J. DJORDJEVIC, L. KOSMAC, and S. BLAGOJEVIC, "Dedinje" Special Children's Hospital for Tuberculosis and Lung Diseases (Specijalna Decja Bolnica za Tuberkulozu i Holesti Pluca "Dedinje"), Central Anti-tuberculosis Dispensary (Centralni Antituberkulozni Dispanzer), Belgrade.

"Epidemiological Analysis of Tuberculosis in an Elementary School in the Vicinity of Belgrade."

Belgrade, Glasnik Zavoda za Zdravstvenu Zastitu NR Srbije, Vol 11, Nos 3-4, 1962, pp 23-28.

Abstract: [Authors' Serbo-Croatian summary modified] The tuberculin index was 46 percent among 799 schoolchildren 7 to 16 years old in Ripanj. Eighteen cases of tuberculosis were discovered. Pupils who did not react to the tuberculin after a second testing were vaccinated. Testing six months later showed that tuberculin allergy had been established in 86.9 percent of those vaccinated. 1/1/Tables, charts, no references.

BLAGOJEVIC, Sinisa, dr.; MIJALKOVIC, Aleksandar, dr.

Staphylococcal enterotoxin as a causative agent in food poisoning.  
Glas. hig. inst. 10 no.3/4:49-54 JI-D '61.

1. Higijenski zavod u Nisu.

(FOOD POISONING microbiol)  
(STAPHYLOCOCCAL INFECTIONS)  
(TOXINS AND ANTITOXINS)

S

HROMADKO, M.; BLAGOJEVIC, S.; SLIJEPCEVIC, S.

Closed and open chest heart massage with an experimental evaluation in dogs. Acta chir. Jugosl. 12 no.1:48-51 '65.

1. Kirurski odjel Opce bolnice "Dr. O. Novosel" u Zagrebu (Sef prom. dr. B. Oberhofer) i Kirurska klinika Veterinarskog fakulteta u Zagrebu (Sef prof. dr. E. Vukelic).

BLAGOJEVIC, Vasilije

Fifteen years of the activities of the Geodesic Service.  
Geod list 17 no. 4/6: 114-122 Ap-Je '63.

COUNTRY : YUGOSLAVIA  
 CATEGORY : Chemical Technology. Chemical Products and Their Applications. Pharmaceuticals. Vitamins. Antibiotics  
 ABS. JOUR. : RZhKhim., No 19, 1959, No. 68802  
 AUTHOR : Blagojevic, Z.  
 INSTITUTE :  
 TITLE : Extraction and Quantitative Determination of Quinine and Anesthesine in Oil Solutions  
 ORIG. PUB. : Arkhiv farmats., 1956. 6., No 5, 178-180

ABSTRACT : A method for extracting quinine (I) and anesthesine (II) from oil solutions (used for injections), containing in 1 ml 5 mg of each I and II and 0.15 gr of turpentine, is based on their ability to form water soluble salts when reacted with inorganic acids. The quantitative determination of I is performed by the polarimetric, and II by the bromometric titrations. Description of the methods are presented. The error of a determination comprises approx. 5%, for II is 3%.

-- A. Slonimskaya.

Card: 1/1

R - 54



BLAGOJEVIC, ZORA  
SURNAME (in caps); Given Names

Country: Yugoslavia

Academic Degrees: [not given]

Affiliation: Institute for Pharmaceutical Chemistry, Pharmaceutical Faculty  
(Institut za farmaceutsku hemiju, Farmaceutski fakultet) Belgrade

Source: Belgrade, Arhiv za Farmaciju, Nr 6, 1960, pp 445-450.

Data: "Contribution to the Determination of Some Sulfonamides by  
Precipitation with Silver Salts."

Authors:

BLAGOJEVIC, Zora  
BUNOVIC, M.

YUGOSLAVIA

MARKOVIC, M., ~~BLAGOJEVIC, Z.~~: Institute for Pharmacy, Belgrade  
(Zavod za farmaciju, Beograd), Belgrade.

"A Contribution to the Determination of Bismuth's Composition"

Belgrade, Arhiv za farmaciju, Vol 16, No 1, 1966, pp 5-11

Abstract: The authors applied the complexometric method to establish the content of bismuth's composition. The determination was simultaneously done with the gravimetric method. The results obtained show that complexometric titration is more advantageous because it is a more simple and rapid method which can be performed on very small amounts of bismuth's composition. 16 tables. 6 Eastern and 19 Western references.

BLAGONADEZHIN, V. (Altayskiy kray)

Literature on progressive experience should be brought into the schools. Prof.-tekh.obr. 13 no.2:28 F '56. (MLRA 9:5)

1. Prepodavatel' uchilishcha mekhanizatsii sel'skogo khozyaystva no. 11.

(Kuybyshev Province--Farm mechanization--Study and teaching)

**ELAGONADZHDIN, V.M., inzhener.**

**Damaged lead-ins of a VMD-35 circuit breaker. Elek.sta. 25**  
**no.7:56 J1 '54. (MLRA 7:8)**  
**(Electric circuit breakers)**

BLAGONADEZH DIN, V. M.

AID P - 2412

Subject : USSR/Electricity

Card 1/1 Pub. 26 - 11/33

Authors : Rytslin, A. M., Donbass Power System  
Blagonadezhdin, V. M., Kuybyshev Power System  
~~Rhyazevskiy, B. A., Moscow Power System~~  
Vol'fson, I. B., Kirov Power System  
Musatov, T. P., Donbass Power System  
Ioffe, Ye. F., Gor'kiy Power System

Title : Discussions on (the volume) of instructions and operational documentation for power substations

Periodical : Elek sta 5, 37-43, My 1955

Abstract : The article refers to an article by Eng. G. B. Yakusha published in this periodical (No. 10, 1953) and gives a summarized account of opinions and answers received from readers. The subject of the discussion is the documentation involved in the operation of substations. The need for standard instructions and a decrease in the amount of paper work is stressed by all correspondents.

Institution: None

Submitted : No date

PLASO VADIM 201-19 V. W.

AID P - 3779

Subject : USSR/Electricity  
Card 1/1 Pub. 26 - 21/29  
Author : Blagonadezhdin, V. M., Eng.  
Title : ~~Blagonadezhdin, V. M., Eng.~~ Defect in the drive of the UGP-51 type  
Periodical : Elek. sta., 10, 55, 0 1955  
Abstract : The author describes a defect which occurred in a drive of the UGP-51 type manufactured in 1953 by the Riga Repair Mechanical Plant "Latvenergo". He describes measures applied for the correction of the defect. One drawing.  
Institution : None  
Submitted : No date

AID P - 3068

Subject : USSR/Electricity

Card 1/1 Pub. 29 - 2/29

Author : Blagonadexbdin, V. M., Eng.

Title : Problem of revising the "Rules of Technical Safety"

Periodical : Energetik, 7, 4-5, J1 1955

Abstract : The "Safety Rules of Operating Electric Installations of City and Rural Networks" need to be revised, according to the author. He points to specific problems which require modification of the "Rules."

Institution : None

Submitted : No date

BLAGONADEZHDIN, V. M. Cand Tech Sci -- (diss) "Study of the process of drying of thick insulation layers by the method of infra-red irradiation." Kuybyshev, B57 16 pp with graphs, 19 cm. (Min of Higher Education USSR. Kuybyshev Industrial Inst im V. V. Kuybyshev), 100 copies (KL, 24-57, 118)



"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205420009-9

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205420009-9"

91-58-8-21/34

AUTHOR: Blagonadezhin, V.M., Candidate of Technical Sciences

TITLE: The Falling of Counter-balances from 400 kv Electric Transmission Lines (Padeniye gruzov- ballastov na liniyakh elektroperedachi 400 kv.)

PERIODICAL: Energetik, 1958, Nr 8, pp 27-28 (USSR)

ABSTRACT: The counter-balances produced by the "Armset" Trust, and used on the suspension chain-type insulators on the KUCES-Bugul'ma transmission line, are built to swing in a direction at right angles to the transmission line. A wind blowing along the line, however, tends to swing them along the line and, since they are not swivelled in this direction, stress is exerted on the cotter and cotter pin of the crosswise swivel. The cotter pin shears off and the counter balance drops. The author proposes the use of an SK-16 bracket (Figure 2) which is built to swivel in a longitudinal and crosswise direction. There are 2 diagrams.

1. Transmission lines--Equipment

Card 1/1

~~BLAGONADEZHIN, V.Ye.~~  
BLAGONADEZHIN, V.Ye.

BLAGONADEZHIN, V. Ye.; CHANTSEV, M.V., otvetstvennyy redaktor;  
PROZOROVSKAYA, V.L., tekhnicheskiy redaktor.

[Tolerances and fits in coal mining machinery industry] Dopuski i posadki v ugol'nom mashinostroenii. Moskva, Ugletekhnizdat, 1954. 246 p. (MLRA 7:7)

(Coal mining machinery) (Machine-shop practice)

*BLAGONADEZH DIN, V. Ye.*

BEYLINA, TS.O., inzhener; *BLAGONADEZH DIN, V. Ye.*, inzhener; BOGUSLAVSKIY, P.Ye., kandidat tekhnicheskikh nauk; VORONKOV, I.M., professor, GITINA, L.Ya., inzhener; GROMAN, M.B., inzhener; GOROKHOV, N.V., doktor tekhnicheskikh nauk [deceased]; DENISYUK, I.N., kandidat tekhnicheskikh nauk; DOVZHUK, S.A., kandidat tekhnicheskikh nauk; DUKEL'SKIY, M.P., professor, doktor khimicheskikh nauk [deceased]; DYKHOVICHNIY, A.I., professor; ZHITKOV, D.G., professor, doktor tekhnicheskikh nauk; KOZLOVSKIY, N.S., inzhener; LAKHTIN, Yu.M., doktor tekhnicheskikh nauk; LEVENSON, L.B., professor, doktor tekhnicheskikh nauk [deceased]; LEVIN, B.Z., inzhener; LIPKAN, V.F., inzhener; MARTYNOV, M.V., kandidat tekhnicheskikh nauk; MOLEVA, T.I., inzhener; NOVIKOV, F.S., kandidat tekhnicheskikh nauk; OSETSKIY, V.M., kandidat tekhnicheskikh nauk; OSTROUMOV, G.A.; PONOMARENKO, Yu.F., kandidat tekhnicheskikh nauk; RAKOVSKIY, V.S., kandidat tekhnicheskikh nauk; REGIERER, Z.L., inzhener; SOKOLOV, A.N., inzhener; SOSUNOV, G.I., kandidat tekhnicheskikh nauk; STEPANOV, V.N., professor; SHEMAKHANOV, M.M., kandidat tekhnicheskikh nauk; EL'KIND, I.A., inzhener; YANUSHEVICH, L.V., kandidat tekhnicheskikh nauk; BOKSHITSKIY, Ya.M., inzhener, redaktor; BULATOV, S.B., inzhener, redaktor; GASHINSKIY, A.G., inzhener, redaktor; GRIGORYEV, V.S., inzhener, redaktor; YEGOROV, G.P., kandidat tekhnicheskikh nauk, redaktor; ZHARKOV, D.V., dotsent, redaktor; ZAKHAROV, Yu.G., kandidat tekhnicheskikh nauk, redaktor; KAMINSKIY, V.S., kandidat tekhnicheskikh nauk, redaktor; KOMAROV, Ye.F., professor, redaktor; KOSTYLEV, B.N., inzhener, redaktor; POVAROV, L.S., kandidat tekhnicheskikh nauk, redaktor; ULINICH, F.R., redaktor; KLORIK'YAN, S.Kh., otvetstvennyy redaktor; GLADILIN, L.V., redaktor;

(Continued on next card)

HEYLINA, TS.O. --- (continued) Card 2.

RUPPENYET, K.V., redaktor; TERPIGOREV, A.M., glavnyy redaktor;  
BARABANOV, F.A., redaktor; BARANOV, A.I., redaktor; BUCHNEV, V.K.,  
redaktor; GRAFOV, L.Ye., redaktor; DOKUKIN, A.V., redaktor; ZADEMID-  
KO, A.N., redaktor; ZASYAD'KO, A.F., redaktor; KRASNIKOVSKIY, G.V.  
redaktor; LETOV, N.A., redaktor; DISHIN, G.L., redaktor; MAN'KOV-  
SKIY, G.I., redaktor; MEL'NIKOV, N.V., redaktor; ONIKA, D.G.,  
redaktor; OSTROVSKIY, S.B., redaktor; POKROVSKIY, N.M., redaktor;  
POLSTYANOV, G.N., redaktor; SKOCHINSKIY, A.A., redaktor; SONIN,  
S.D., redaktor; SPIVAKOVSKIY, A.O., redaktor; STANCHENKO, I.K.,  
redaktor; SUDOPLATOV, A.P., redaktor; TOPGHIYEV, A.V., redaktor;  
TROYANSKIY, S.V., redaktor; SHEVYAKOV, L.D., redaktor; BYKHOV-  
SKAYA, S.N., redaktor izdatel'stva; ZAZUL'SKAYA, V.F., tekhnichesk-  
skiy redaktor; PROZOROVSKAYA, V.L., tekhnicheskiy redaktor.

[Mining; an encyclopedic handbook] Gornoe delo; entsiklopedicheski  
spravochnik. Glav.red. A.M. Terpigorev. Chleny glav.red. F.A. Bara-  
banov i dr. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po ugol'noi  
promysh]. Vol.1. [General engineering] Obshchie inzhenernye  
svedeniia. Redkollegiia toma S.Kh.Klorik'ian i dr. 1957. 760 p.  
(Mining engineering) (MIRA 10:10)

USSR/Cultivated Plants - Grains

M

Abs Jour : Ref Zhur Biol., No 12, 1958, 53548

Author : Blagoderzhina, O.A.

Inst :

Title : Drought Resistant Variety of Hard Spring Wheat, Leukurum 33.

Orig pub : Byul nauchno-tekhn. inform. Kuybyshevsk. (Dezenchuksk.)  
Gos. s.kh. st., 1957, 1, 29-30

Abstract : With regard to quick ripening, yield and drought resistance, Leukurum surpasses the district varieties Melyanopus 69 and Gordeiforme 189. It has been districted in Ul'yanskaya, Kuybyshevskaya and Kamenskaya Oblasts.

Card 1/1

- 12 -

BLAGONADEZHIN, V.L. (Moskva)

Investigating the mechanical strength of power cables with aluminum casings. Izv. AN SSSR, Otd. tekhn. nauk. Energ. i avtom. no. 3:162-166 '60.

(Electric cables)

(MIRA 13:7)

BLAGONADEZHIN, V.L. (Moskva)

Investigation of the electrodynamic effect in short-circuited power  
cables. Izv.AN SSSR.Otd tekhn.nauk,Energ.i avtom. no.2:64-67 Mr-Ap  
'61. (MIRA 14:4)

1. Moskovskiy energeticheskiy institut.  
(Electric lines—Overhead)



BOLOTIN, V.V., doktor tekhn.nauk, prof.; AVINOVITSKIY, I.A., inzh.;  
BLAGONADEZHIN, V.L., inzh.; KHRUMCHENKO, G.Ye.

Choice of the tower span distances in stringing aluminum  
sheathed power cables. Elektrichestvo no.5:9-12 My '61.  
(MIRA 14:9)

(Electric lines—Overhead)

BLAGONADEZHIN, V.L. (Moskva)

Mechanical strength of lead sheathed power cables. Izv. AN SSSR.  
Otd. tekhn. nauk. Energ. i avtom. no.4:85-89 J1-Ag '61. (MIRA 14:9)

1. Moskovskiy energeticheskiy institut.  
(Electric cables) (Electric lines--Overhead)

BLAGONADEZHIN, V.L., kand. tekhn. nauk

Behavior of nonhomogeneous compressed rods under creep conditions.  
Izv. vys. ucheb. zav.; mashinostr. no.8:58-66 '64.

(MIRA 17:11)

1. Moskovskiy energeticheskiy institut.

BLAGONADEZHIN, V.L., kand. tekhn. nauk

Criterion for evaluating the compensating capability of power  
plant steampipes. Teploenergetika 12 no.3:28-31 Mr '65.

(MIRA 18:6)

1. Moskovskiy energeticheskiy institut.

AUTHOR: Blagonadezhin, V.Ye., Engineer SOV-28-58-4-18/35

TITLE: Normalization of Parts and Units of Mining Machines and Equipment (Normalizatsiya detaley i uzlov ugol'nykh mashin i shakhtnogo oborudovaniya)

PERIODICAL: Standartizatsiya, 1958, Nr 4, pp 58 - 59 (USSR)

ABSTRACT: In spite of the great number of small and large-size machines and equipment in the mining industry, Giprouglemash succeeded in establishing standards for a series of machine parts, mechanisms and equipment, with the aid of constructional designs for standardized parts applicable to all organizations and enterprises of the mining industry, by taking into account mass and individual production. A total of 2,500 different standardized types of constructional designs were issued for normalized units and machine parts and about 300 constructional designs for instruments and fixtures of each machine.

ASSOCIATION: Giprouglemash

1. Industrial equipment--Production 2. Industrial equipment  
--Standards 3. Mining machines--Equipment

Card 1/1

BLAGONADEZHINA, L.G.

Clinical aspects of traumas of the spine and spinal cord. Trudy 1-go  
MMI 38:391-397 '65. (MIRA 18:10)

1. BLAGONADEZHINA, L. V.

2. USSR (600)

4. Psychology, Physiological

7. Reorientation of psychology on the basis of I.P. Pavlov's theory  
of physiology.  
Sov. pedagog. 16 no.10, 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

BLAGONADEZHINA, L.V.

Formation of schoolchildren's attitude toward work. Vop.  
psikhol. 5 no.5:40-51 S-O '59. (MIRA 13:3)

1. Institut psikhologii APN RSFSR, Moskva.  
(Education of children) (Work)



BOZHEVICH, L.I., red.; BLAGONADEZHINA, L.V., red.; GOVORKOVA, A.F.,  
red.; TARASOVA, V.V., tekhn. red.

[Psychology of student personality] Voprosy psikhologii  
lichnosti shkol'nika. Pod red. L.I.Bozhovich i L.V.Blagonade-  
zhinai. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1961. 405 p.  
(MIRA 15:4)

1. Akademiya pedagogicheskikh nauk RSFSR, Moscow. Institut psi-  
khologii.

(Child study)

BLAGONADEZHINA, L.V.

Some problems of the attitude of students to art. Vop. psikh. 1.  
to no.14150-162 Ja-F'64 (MIRA 17:3)

1. Institut psikhologii Akademii pedagogicheskikh nauk RSFSR,  
Moskva.

BLAGONRAVOV, A. I.

PROKOF'YEV, V.N., professor, doktor tekhnicheskikh nauk; ~~BLAGONRAVOV, A.I.~~  
kandidat tekhnicheskikh nauk, retsenzent; VOROSHILOV, P.K.,  
inzhener, retsenzent; PANCHENKO, V.I., kandidat tekhnicheskikh  
nauk, redaktor; MODIL', B.I., tekhnicheskiiy redaktor

[Principles of the theory of hydraulic transmission] Osnovy  
teorii gidromekhanicheskikh peredach. Moskva, Gos. nauchno-  
tekhn. izd-vo mashinostroit. lit-ry, 1957. 423 p. (MLRA 10:5)  
(Hydraulic transmission)

BLAGONRAVOV, A. A. Dr. of Techn. Sci., Prof., Maj. Gen. of Artillery

"Osnovaniya Proektirovaniya Avtomaticheskogo Oruzhiya" (Principles of Automatic Weapons), 1940/

BLAGONRAVOV, A.A.

AREF'YEV, M.G.; KARPOV, L.I.; BLAGONRAVOV, A.A., akademik general-leytenant  
artillerii, redaktor.

[Manufacture of firearm barrels] Proizvodstvo stvolov strelkovogo  
oruzhiia. Moskva, Glav. red. vooruzheniia i boepripasov, 1945. 225 p.  
(MIRA 7:1)  
(Firearms industry)

BLAGONRAVOV, A.A., akademik, general-leytenant artillerii; KHOLOMANOV, G.K.,  
~~redaktor,~~

[Mechanism of firearms] Material'naya chast' strelkovogo oruzhiia.  
Moskva, Izd-vo Glavnaia redaktsiia lit-ry po vooruzheniiu i boe-  
priпасам. Vol. 1. 1945. 571 p. (MLBA 7:11)  
(Firearms)

BLAGONRAVOV, A.A., akademik, general-leytenant artillerii, redaktor;  
ROMYANTSEVA, M.S., redaktor; ZUDAKIN, I.M., tekhnicheskiiy redaktor.

[Small arms] Material'naya chast' strelkovogo oruzhiya. Moskva, Oborongiz NKAP, Glav.red. lit-ry po vooruzheniyu i boepripasam. Vol. 2. 1946. 831 p. (MIRA 8:1)  
(Firearms)

BLAGONRAVOV, A.A.

Military Biography

S.I. Mosin., Nauka i zhizn;., no. 2, 1952



BLAGONRAVOV, A., Maj Gen

Author of article, "Tankmen's Day," for the 26 September 1954 celebration of Soviet Tankmen's Day. Komsomol'skaya Pravda, Moscow, 26 Sep 54

SO: SUM 291, 2 Dec 1954

*СИНХРОНИЗОВАННО*

USSR/Miscellaneous

Card 1/1    Pub. 124 - 3/26

Authors     : Artobolevskiy, I. I.; Blagonravov, A. A.; and Dikushin, V. I., Academicians

Title       : Modern theory of machines and its problems

Periodical   : Vest. AN SSSR 12, 21-29, Dec 1954

Abstract    : The importance of the development of new theoretical bases for machine design and construction - theory of machines and mechanisms - for the improvement of living conditions of the Soviet people, is explained.

Institution : ...

Submitted   : ...

USSR/Engineering - Mechanical

FD-2248

Card 1/1      Pub 41-16/17

Author      : Blagonravov, A. A. and others

Title      : Development of the theoretical bases of mechanisms with hydraulics devices

Periodical : Izv. AN SSSR, Otd. Tekh. Nauk 2, 141, Feb 1955

Abstract   : A brief review of experiments concerned with piston movement in a hydraulic cylinder, subject to friction. Description of experiment and sketchy review of results.

BLAGONRAVOV, A.

"Flow Phenomena at High Speeds and High Altitudes" a  
paper submitted at International Congress of Rockets and Guided Missiles  
for Continental Connections and Telecommunications, 3-8 Dec 56, Paris.

C-1093091-C

*BLAGONRAVOV, A.*

SUBJECT:      USSR/Engineering - A Book Review

25-5-31/35

AUTHOR:      Blagonravov, A., Academician

TITLE:      New Technics (O novoy tekhnike)

PERIODICAL:      Nauka i Zhizn' - May 1957, No 5, p 60 (USSR)

ABSTRACT:      This is a critical review of the revised edition of "Struggle for Speed" by B. Lyapunov, a book originally published in 1952. The new edition, dated 1956, reflects the progress made by science and inventions since 1952. The author first points out the importance of machine building as a basis of current production. Then follow vital problems encountered in aircraft building and the struggle of designers and test pilots for higher speeds. The use of electronic devices, among them semiconductors and prospects of the atomic industry are discussed in detail. Notwithstanding a few defects, as for example the very superficial way of treating the automatic control problems in production processes, the book is of considerable educational value and can be recommended to any reader interested in the latest scientific and technical achievements.

~~SECRET~~

*BLAGONRAVOV, A.*

Translation from: Referativnyy Zhurnal, Elektrotehnika, 1957, 112-3-6239  
Nr 3, p. 169 (USSR)

AUTHOR: Blagonravov, A., Artobolevskiy, I., Dikushin, V.,  
Kulebakin, V.

TITLE: Problems of the Technical Sciences in the Development of  
Machines and Technological Processes for Automation  
(Zadachi tekhnicheskikh nauk v razvitii mashin i tekhnologicheskikh protsessov v svyazi s avtomatizatsiyey)

PERIODICAL: Prom.-ekon. gaz., 1956, 26 Oct., Nr 116, pp. 2-3;  
28 Oct., Nr 117, pp. 2-4

ABSTRACT: Bibliographic entry.

Card 1/1

*BLAGONRAVOV, A.A.*

AUTHORS: Blagonravov, A.A. and Rabotnov, Yu. N. 24-11-1/31

TITLE: The Technical Sciences Division on the Occasion of the Fortieth Anniversary of the Great Socialist October Revolution. (Otdeleniye Tekhnicheskikh Nauk k 40-letiyu Velikoy Oktyabr'skoy sotsialisticheskoy revolyutsii).

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, 1957, No.11, pp.5-9 (USSR)

ABSTRACT: The Technical Sciences Division of the Ac.Sc. consisted at first of the following five groups: power engineering; engineering physics; engineering chemistry; engineering mechanics and mining. Furthermore, it controlled the Power Research Institute (Energeticheskiy Institut), the Institute of Mined Fuels (Institut Goryuchikh Iskopayemykh) and the Commission on Engineering Terminology (Komissiya po Tekhnicheskoy Terminologii). The volume of scientific activity of the Technical Sciences Division increased appreciably in 1939 when fifteen new Academicians and twenty-nine Corresponding Members were elected. In the same year the following were incorporated into this section: The Institute of Mining (Institut Gornogo Dela); Institute of Metallurgy (Institut Metallurgii);  
Card 1/11 Institute of Mechanics (Institut Mekhaniki);

24-11-1/31

The Technical Sciences Division on the Occasion of the Fortieth Anniversary of the Great Socialist October Revolution.

Institute of Mechanical Engineering (Institut Mashinovedeniya);  
Institute of Automation and Telemechanics (Institut  
Avtomatiki i Telemekhaniki) and a number of others.

At present, the Division has twenty-nine Academicians and seventy-four Corresponding Members, it comprises eleven research institutes, seven independent laboratories, one "section" and one committee and publishes four journals. Over 7000 people work in the establishments of the Division; of these 2800 are scientific personnel including twenty-three Academicians, fifty-seven Corresponding Members, two hundred Doctors of Science and 352 Candidates of Science. Only a few of the most important results obtained in the Scientific Establishments of the Technical Sciences Division of the Ac.Sc. are dealt with here.

Metals. In the field of investigation of metallurgical processes a theory of blast furnace smelting under pressure was evolved which permits justification of the practical application of the method. New theoretical conceptions on the processes of coke combustion in the hearth of blast furnaces enabled development of technological methods of influencing the dimensions of the combustion zone and the

Card 2/11



24-11-1/31

The Technical Sciences Division on the Occasion of the Fortieth Anniversary of the Great Socialist October Revolution.

entire characteristic of the blast furnace process. Methods of granulation (pelletizing) of ore-coal mixtures were developed. Important theoretical investigations were carried out relating to the interaction of metals and the kinetics of phase transformations; a number of new high strength and special alloys were developed. Much work has been carried out for the purpose of obtaining purer titanium and of studying the properties, the diagram of state of titanium-based alloys and of the influence of alloying elements on the properties of titanium alloys, particularly the heat resistance. Work is in progress on developing new semi-conductor materials based on germanium-silicon-chemical elements of the third group with elements of the fifth group, compounds of chalcopryite and others. Oil. Of the new high molecular compounds, most attention is paid to polypropylene; systematic study is being carried out at the Oil Research Institute (Institut Nefti), as a result of which crystalline polypropylene was obtained from which the first specimens of this new fibre have been produced. A process of high speed cracking was developed which enabled reduction of the production costs

Card 3/11

24-11-1/31

The Technical Sciences Division on the Occasion of the Fortieth Anniversary of the Great Socialist October Revolution.

by about 50% and of the specific first costs by 40 to 60%. A new synthesis was developed of high fatty alcohols by direct oxidation of paraffin hydrocarbons omitting the stage of hydrating of liquid acids obtained by oxidation of paraffin. The obtained alcohols are used as a raw material for producing fine washing media (detergents), which is of great importance from the point of view of saving edible fats. Great strides forward were also made in turbo-drilling; over 83% of the total drillings (in terms of the combined total of the drilling depths) is at present effected by turbo-drilling.

Solid Fuel. The Institute of Mined Fuel jointly with the Ministry of Ferrous Metallurgy (Ministerstvo Chernoy Metallurgii) developed scientific principles of continuous coking, a process which is about five times as intensive as current methods and enables obtaining high quality metallurgical coke from coal with bad coking properties. 50 to 70% of the coal from the Donets, the Kuznets and Karaganda deposits and up to 100% of the coal reserves of the Irkutsk, Minusinsk and the Bureinsk Basin consist

Card 4/11 of such coal. A new process of centrifugal desulphuring

24-11-1/31

The Technical Sciences Division on the Occasion of the Fortieth Anniversary of the Great Socialist October Revolution.

and de-ashing was developed which permits increasing appreciably the productivity of blast furnaces and to reduce the coke consumption; the resulting economy in the Donets Basin alone is about 600 million Roubles in capital costs. The Power Research Institute developed a process of combined power-technological utilisation of solid fuels, i.e. coal, peat and shale.

Mining. Highly efficient variants were developed of underground working, breaking up of the ore by means of deep explosive charges and using a new design of the bottom of the chamber which permits intensification of the removal of the broken-up ore. Compared to existing systems, this method enables speeding up the mining to double the conventional value and to increase the productivity of labour 2.5 to 3 fold, to reduce the silicosis danger, to improve the conditions of work and the safety. Investigations are in progress relating to the theory of beneficiation processes, i.e. flotation of coal and ores.

Power. One of the major complex problems in this field is the "evolving of scientific bases of the development of

24-11-1/31

**The Technical Sciences Division on the Occasion of the Fortieth Anniversary of the Great Socialist October Revolution.**

power systems and integrating it into a single power system". A large number of establishments of the Ac.Sc. and of other institutes are working on this problem under the general direction of the Power Institute imeni G. M. Krzhizhanovskiy (Energeticheskiy Institut im. G. M. Krzhizhanovskiy). Investigations in this field comprise a large number of problems: power generation generally, electric power generation, thermal power, hydraulic power. A unified power system of the European part of the Soviet Union is being put into effect in the Sixth Five Year Plan period. At present research and development are directed towards the creation of a unified power system covering the entire territory of the Soviet Union. In this respect the Academy has carried out a large number of investigations, including determination of the behaviour of super-long distance transmission lines of the order of 2000 km and longer operating with voltages of 400 kV and higher and powers of the order of two million kW. Creation of a unified power system of the European part of the Soviet Union is likely to result in an annual economy of 400 million Roubles and the additional cost

Card 6/11

24-11-1/31

The Technical Sciences Division on the Occasion of the Fortieth Anniversary of the Great Socialist October Revolution.

involved in constructing the necessary power transmission system will be recuperated in less than ten years. As a result of further investigations, the installed power of the system of hydraulic power stations along the Volga and the Kama Rivers will be increased by two million kW compared to the originally scheduled capacities.

Mechanics. The Institute of Mechanics of the Technical Sciences Section claims a number of achievements. The most important one in the field of the theory of elasticity and plasticity is the evolution of a theory of strength, stability and vibrations of thin elastic shells and thin walled three-dimensional systems; this theory was developed as a result of analysis of accurate equations as well as by evolving approximate engineering calculation methods. As regards the theory of plasticity, the theory of limit equilibrium was evolved and also the "theory of small elastic-plastic deformations"; by means of the latter a number of concrete problems were solved. Much attention has been paid in recent years to applying the theory of plastic flow of metals to shaping by means of pressure.

Card 7/11 Experimental and theoretical investigations were carried

24-11-1/31

The Technical Sciences Division on the Occasion of the Fortieth Anniversary of the Great Socialist October Revolution.

out of creep of metals at elevated temperatures and methods of creep calculation were evolved. General methods were evolved and concrete problems were solved using the theory of limit equilibrium of loose media. In the field of general mechanics important results are claimed relating to the theory of stability of motion. A general theorem of instability was evolved and effective methods were developed for analysing the stability of non-steady state movements. Much work was devoted to the theory of stability of movement, to the investigation of the stability of aircraft and the spin movement of artillery shells. In the field of hydromechanics effective methods were evolved of calculating the steady state and the non-steady state of seepage of liquid through porous media and on the basis of these methods numerous problems were solved relating to oil well operation, seepage of water under the foundations of hydraulic structures etc.

Mechanical Engineering. In the Institute of Mechanical Engineering, methods were evolved for investigating the stresses and strains and calculating the carrying capacity of large size structures as applicable to large hydraulic turbines and large hydraulic presses. These methods were

Card 8/11 utilised in designing new hydraulic turbines, including

24-11-1/31

The Technical Sciences Division on the Occasion of the Fortieth Anniversary of the Great Socialist October Revolution.

the turbines of the Kuybyshev and the Bratska hydraulic power stations; to ensure reliable operation of large turbo-generators (100 000 kW and higher) oscillatory phenomena were investigated in the system rotor-stator under steady state and transient conditions. Analysis of the stress conditions of the individual elements of the structure has revealed the analogy laws for the case of fatigue fractures; this enabled design improvements resulting in an increase of the fatigue strength of the rotors. Friction and wear were investigated and a new material was developed for highly stressed engine bearings and also a new friction material for brakes.

Automation and telemechanics. New principles and methods were evolved of analogue computers and analogues have been built, the design of which is being improved continuously. An "aggregate" unified system of automatic control and regulation is being developed which consists of a small number of standardised blocks and differing combinations of such blocks permits obtaining an extreme variety of apparatus and circuits ensuring the control

Card 9/11 of complex automatic production processes. A system of

The Technical Sciences Division on the Occasion of the Fortieth Anniversary of the Great Socialist October Revolution. 24-11-1/31

automatic regulation of compressor operated oil wells has been evolved which is successfully applied in production; in the Baku area about 95% of the entire quantity of compression operated wells are automated and this enables increasing the oil extraction, economy of electric power and reduction of the operating personnel. Radio-active isotopes and radiations. A radiometric method was evolved for distinguishing oil bearing rocks from water bearing ones, new data were obtained on the distribution of alloying elements in light alloys in dependence of various pertinent factors and the process of diffusion of iron in solid iron base alloys was studied. A radiographic method was used for determining the real area of contact between mating metallic components, which is of importance from the point of view of wear studies. Radio-active methods were also used for studying the solubility of various substances in steam. In this brief article only some examples could be enumerated and they do not represent an exhaustive survey of the research progress. Numerous Academicians carry out their research work directly in industrial undertakings.

Card 10/11



The Technical Sciences Division on the Occasion of the <sup>24-11-1/31</sup> Fortieth  
Anniversary of the Great Socialist October Revolution.

Scientists of the Ac.Sc. have played an important role  
in the development of Soviet aviation. Many achievements  
in this field are linked with the theoretical work of  
S. A. Chaplygin, L. S. Leybenzon, N. Ye. Kochin,  
A. I. Nekrasov and numerous others.

AVAILABLE: Library of Congress.

Card 11/11

BLAGONRAVOV, A. A. (Academician)

"Great Progress," Sovetskaya Aviatsiya, 29 Dec 57, p. 3

The author surveys Soviet progress in various fields of science with particular emphasis on atomic energy, and outlines current projects and objectives.

Translation - 1156900.

*BLAGONRAVOV, A.A.*

4-11-6/34

AUTHOR: Blagonravov, A.A., Academician

TITLE: Young Friends! (Yunyye druz'ya!)

PERIODICAL: Znaniye - Sila, 1957, # 11, p 5 (USSR)

ABSTRACT: In an appeal to the Soviet youth the author pictures the achievements of modern science in comparison with the science level of 50 years ago.  
There is one sketch.

AVAILABLE: Library of Congress

Card 1/1

BLAGONRAVOV, A. A. (Acad.); ARTOBOLVSKIY, I. I. (Acad.); DIKUSHIN, V. I. (Acad.) and  
KULEBAKIN, V. S. (Acad.)

"Tasks of the Technical Sciences in the Development of Machines and Technological  
Processes in connection with Automation,"

paper read at the Session of the Acad. Sci. USSR, on Scientific Problems of Automatic  
Production, 15-20 October 1956.

Automatika i telemekhanika, No. 2, 1957, p. 182-192.

9015229

BLAGONRAVOV, A.A., akademik

The technical progress of socialist industry. Mekh.trud.rab. 11  
no.11:6-12 N '57 (MIRA 10:11)

(Industrialization)

BLAGONRAVOV, A.A., akademik.

What hinders the development of automation in industry? Tekh.mol.  
25 no.1:2-5 Ja 57. (MLRA 10:2)  
(Machinery, Automatic)

BLAGONRAVOV, A.A.

BLAGONRAVOV, A.A., akademik.

Congress on rockets and guided missiles. Vest. AN SSSR 27 no.5:  
63-65 My '57. (MLRA 10:6)

(Paris, Rockets (Aeronautics) Congresses)

BLAGONRAVOV, A. A. (Academician)

"Investigation of the Upper Layers of the Atmosphere by Means of High Altitude Rockets," Vestnik Akademii Nauk SSSR, 1957, No. 6, pp. 25-32.

Abridged Trans, - Encl. ~~XXXXXXXXXX~~ 1144427



Name : BLAGONRAVOV, A. A.

Title : Academician

Remarks: A. Blagonravov is the author of a short item entitled "Victory" written on the occasion of the launching of Sputnik II, which is stated not to be a sphere ejected from a rocket, but part of the rocket itself. Sputnik II is orbiting at an altitude of 1700 km and completes its orbit in 103.7 min. It not only carries a dog, but its instrumentation is far superior to that of Sputnik I.

Source : P: Ogonek, No. 46, 10 November 1957, p. 6

BLAGONRAVOV, A. A.

A. A. Blagonravov, "Theory of Machines and Mechanisms and the Automation of Production Processes."

paper presented at the 2nd All-Union Conf. on Fundamental Problems in the Theory of Machines and Mechanisms, Moscow, USSR, 24-28 March 1958.

*BLAGONRAVOV AA*

SEMIKOLENKO, Nikolay Petrovich, polkovnik, BONDARENKO, Fedor Grigor'yevich,  
polkovnik, KRASNER, Naum Yakovlevich, gvardii polkovnik, ~~BLAGONRAVOV, A.A.~~  
akademi, general-leytenant artillerii zapasa, red.; VIL'CHINSKIY, I.K.  
polkovnik, red.; SOKOLOVA, G.F., tekhn.red.

[Principles of fire for infantry units] Osnovy strel'by iz oruzhiia  
strelkovykh podrasdelenii. Pod obshchei red. A.A. Blagonravova. Moskva,  
Voen. izd-vo M-va obr. SSSR, 1958. 266 p. (MIRA 11:9)  
(Shooting)

BLAGONRAVOV, A.A.

AUTHOR: Solomonov, M.

SOV/24-58-4-39/39

TITLE: General Meeting of the Technical Sciences Section of the Ac.Sc. USSR. Results of the Scientific and the Scientific-organisational Activities of This Section During 1957 (Obshcheye sobraniye Otdeleniya Tekhnicheskikh nauk AN SSSR. Itogi nauchnoy i nauchno-organizatsionnoy deyatel'nosti otdeleniya za 1957 god)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, 1958, Nr 4, pp 157 - 160 (USSR)

ABSTRACT: This meeting was held on March 19, 1958 under the chairmanship of Academician L.D. Shevyakov. During this meeting, the secretary of the Technical Sciences Section, Academician A.A. Blagonravov, presented a report on the scientific and organisational activities of the establishments of the Section during 1957. The Institut avtomatiki i telemekhaniki (Institute of Automation and Telemechanics) solved the general problem of determining an optimum system for the case of the normal distribution of the non-regular part of the useful signal and the noise. The problem was solved of determining

Card1/8

SOV/24-58-4-39/39

General Meeting of the Technical Sciences Section of the Ac.Sc. USSR. Results of the Scientific and the Scientific-organisational Activities of This Section During 1957.

periodic regimes in non-linear systems with a broken-line characteristic. The same institute evolved a scheme of a pneumatic extreme-value regulator with a memory device intended for automation of new chemico-technological processes. A self-adjusting system of controlling electric grinding machines was evolved. In the Institut elektromekhaniki (Institute of Electromechanics), a method was evolved of improving the accuracy of the method of harmonic balance in investigations of non-linear automatic-control systems. In the same institute, theoretical foundations were evolved and a circuit was applied of a simple digital system for programming machining of components between reference points of a profile.

The Institut mashinovedeniya (Institute of Mechanical Engineering) produced a model of a milling machine with programme control and an electronic model was produced for investigating the dynamics of stepped systems of

Card2/8

SOV/24-58-4-39/39

General Meeting of the Technical Sciences Section of the Ac.Sc. USSR. Results of the Scientific and the Scientific-organisational Activities of This Section During 1957

programme control. Developments in other laboratories were also mentioned by Blagonravov. In the Energeticheskiy institut (Institute of Power), the conditions were established which would ensure a most economic utilisation of the electricity supply of the Urals from power stations located near the fuel bases of Eastern Siberia and Northern Kazakhstan. These power stations are to be linked with the long-distance power transmission lines of Siberia and the European part of the Soviet Union. It was found that under these conditions, it would be economical to transmit power by DC. Investigations were completed relating to the regimes of super-long-distance power transmission lines of such parameters as 2 000 to 2 500 km with a loading of up to 1 500 MW/circuit and methods of increasing their <sup>output</sup> capacity, the economy and the reliability of such lines were investigated. In the Institute of Mining, the basic material was collected for the design and construction of the iron-ore Yakovlevskiy mine of the Kursk magnetic anomaly, which is

Card 3/8

SOV/24-58-4-39/39

General Meeting of the Technical Sciences Section of the Ac.Sc. USSR. Results of the Scientific and the Scientific-organisational Activities of This Section During 1957

to be the largest mine in the Soviet Union. The same institute established the regime data for a process of coking of Donets gas coal so as to obtain high-quality metallurgical coke. A method was derived of producing coal concentrates enriched with germanium, gallium and scandium. Furthermore, a new method was evolved of obtaining zirconium and titanium concentrates by using oxygen in the process of flotation. IGI produced a technological gas which can be used for the synthesis of ammonia. IMEKh solved the problem of ejection by gas of liquids from a porous medium and thereby proved that it is possible to utilise underground cavities for creating stable gas storage space. In the Institut metallurgii (Institute of Metallurgy), a high-strength titanium alloy was developed capable of operating at temperatures up to 600 °C. This institute also evolved a technology of producing components made of germanium of a small cross-section with a single-crystal structure. During 1957, the individual institutes

Card4/8

SOV/24-58-4-39/39  
General Meeting of the Technical Sciences Section of the Ac.Sc.  
USSR. Results of the Scientific and the Scientific-organisational  
Activities of This Section During 1957

of the Technical Sciences Section of the Ac.Sc.USSR put into use twelve major developments. The Institute of Automation and Telemechanics introduced into industry new instruments and equipment, including contactless instruments and mechanisms which are very reliable, simple to produce and to operate. The Mining Institute developed rational methods of preparing shallow seams which are being used in thirty-three mines of the Donbass region. A combined method of beneficiation of oxidized lead ores has passed industrial tests; this method enables extracting from the ores lead oxide minerals of a complex composition, which cannot be achieved by other methods. The Institute of Mining also introduced a new reagent, "Kubovyye", the use of which resulted in an increase in the yield of concentrates (at the Central Beneficiation Works in Karaganda) by 25% and in a 3-4-fold reduction in the reagent consumption.

Card 5/8



SOV/24-58-4-39/39

General Meeting of the Technical Sciences Section of the Ac.Sc. USSR. Results of the Scientific and the Scientific-organisational Activities of This Section During 1957

The Institute of Metallurgy carried out a great deal of work on introducing vacuum processes in metallurgy. Vacuum treatment of alloy steel in two shops of the "Dneprospetsstal'" Works brought about a doubling of the production of better grades of transformer steel and a halving of the rejects due to cracks in structural and stainless steels. The im. Dzerzhinskiy Works have mastered the process of vacuum treatment of bessemer steel, as a result of which the quality of bessemer, rimming and rail steels increased very appreciably. The same institute developed a technology of desulphurising pig iron outside the blast furnace, which enables increasing by 10-15% the productivity of blast furnaces with a consequent reduction in the consumption of raw materials and the production costs of pig iron. The Institute of Metallurgy, jointly with VAMI, has introduced electric smelting of briquetted concentrates from Irshinskoye deposits, producing a titanium slag with over 85% titanium oxide content and a relatively low consumption

Card6/8

SOV/24-58-4-39/39

General Meeting of the Technical Sciences Section of the Ac.Sc. USSR. Results of the Scientific and the Scientific-organisational Activities of This Section During 1957

of electricity. The surface-active substances of the type RAS (refined alkylaryl sulphonates) developed by the Institut nefti (Petroleum Institute) are to be manufactured in a works designed by Lengiprogaz. These substances will substitute natural fats in the soap industry and will be used as flotation reagents for beneficiation of ores of non-ferrous metals and of hard coal. A.A. Blagonravov also mentioned some deficiencies in the work of the individual institutes. In particular, he pointed out that, in a number of cases, the progress lags far behind the requirements. A number of measures are being taken to increase printing capacity of the Ac.Sc.USSR publishing house, which is at present inadequate for satisfying requirements. In the last part of his address, he dealt with problems of training scientific personnel and mentioned the increasing links between the

Card 7/8

SOV/24-58-4-39/39

General Meeting of the Technical Sciences Section of the Ac.Sc. USSR. Results of the Scientific and the Scientific-organisational Activities of This Section During 1957

establishments of the Technical Sciences Section of the Ac.Sc. USSR and foreign establishments. Corresponding Member of the Ac.Sc. USSR V.A. Kirillin, Academician A.I. Berg, Corresponding Members of the Ac.Sc. USSR B.K. Aleksandrov, A.V. Gorinov and N.A. Derevyanko participated in the discussions following the report of A.A. Blagonravov.

During the general meeting, Doctor of Technical Sciences N.A. Chinakal presented a paper on the "shield" system of working thick seams.

Card 8/8

USCOMM-DC-60,701

SOV/30-58-8-10/43

AUTHORS: Blagonravov, A. A., Member, Academy of Sciences, USSR,  
Semkov, B. F.

TITLE: The Science and the Tasks of Automation of Manufacturing Processes (Nauka i zadachi avtomatizatsii proizvodstvennykh protsessov)

PERIODICAL: Vestnik Akademii nauk SSSR, 1958, Nr 8, pp. 69-77 (USSR)

ABSTRACT: The change to full automation requires a knowledge of the laws of the manufacturing process, of a perfection of technology. It is connected with the introduction of new equipment, of new methods and technical means of automation. These problems can best be solved by the combined efforts of scientists, technologists, engineers and experts for automation. The establishment of fully automatized experimental model stations is the shortest way to this aim. Experience gathered from them can serve for other enterprises. Many scientific institutions of the Academy are linked up with this work. The achievements in the field of physics and chemistry play an important role in the introduction of automation. The chemical

Card 1/4

SOV/30-58-8-10/43

## The Science and the Tasks of Automation of Manufacturing Processes

and the petroleum industry can best be adapted to full automation as they have continuous working processes. Such a plan of automation of ammonia production is carried out at present in the Lisichansk Combine which elaborated it together with the Gosudarstvennyy institut azotnoy promyshlennosti (State Institute for Nitrogen Industry) and a number of other scientific research- and planning organizations. Full automation is also introduced in the petroleum refinery at Moscow. The Institut metallurgii (Institute for Metallurgy) in association with the Institut avtomatiki i telemekhaniki (Institute of Automatics and Telemechanics) and the Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii (Central Scientific Research Institute for Ferrous Metallurgy) are planning fully automatized metallurgical experimental production plants. The coal industry also offers possibilities for automation. In the field of machine construction many problems still remain to be solved. At present advances are made in the elaboration of preset course controls for machines and machine trains. The economic efficiency is the most interesting factor of automation. The Institut ekonomii Akademii

Card 2/4

SOV/30-58-8-10/43

The Science and the Tasks of Automation of Manufacturing Processes

nauk SSSR (Institute of Economics, AS USSR) as well as branch institutes and universities are asked to join in the study of the use of computers for planning and statistics. The development and introduction of new apparatus advances only very slowly. Many working procedures need automatic control with regard to the use of atomic energy in chemical and other industries. Therefore the development of the cybernetics is of great importance. For this purpose the Presidential Committee, AS, USSR, has asked the following scientific institutions to join in this effort:

The Matematicheskii institut (Institute of Mathematics), the Institute of Automatics and Telemekhanics, the Laboratoriya upravlyayushchikh mashin i sistem (Laboratory for Control Machines and Systems), the Leningrad Branch of the Institute of Mathematics, the Institute of Economy, the Siberian Branch of the Academy, the Institut tochnoy mekhaniki i vychislitel'noy tekhniki (Institute of Precision Mechanics and Calculating Techniques), Institut yazykoznaniya (Institute of Linguistics), the Laboratoriya elektromodelirovaniya

Card 3/4

Vsesoyuznogo instituta nauchno-tekhnicheskoy informatsii (Labo-

SOV/30-58-8-10/43

The Science and the Tasks of Automation of Manufacturing Processes

ratory of Analog Computers of the All Union Institute of Scientific Information). The investigation of the biological problems of cybernetics will be carried out by the scientific institutions of the Otdeleniye biologicheskikh nauk (Department of Biological Sciences).

Card 4/4

SOV/24-58-11-1/42

AUTHORS: Nesmeyanov, A. N., Academician, President Ac.Sc., USSR,  
Topchiyev, A. V., Chief Scientific Secretary, Presidium  
Ac.Sc., USSR and Blagonravov, A.A., Academician, Secretary,  
Technical Science Section, Ac.Sc. USSR

TITLE: Academician I. P. Bardin, Commemorating his 75th Birthday

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh  
Nauk, 1958, Nr 11, pp I-II (USSR)

ABSTRACT: Letter of congratulation on his work and achievements.

SUBMITTED: November 13, 1958

Card 1/1



SOV/24-58-11-5/42

AUTHORS: Nesmeyanov, A. N., Academician, President Ac.Sc., USSR,  
Topchiyev, A. V., Chief Scientific Secretary, Presidium  
Ac.Sc., USSR and Blagonravov, A. A., Academician, Secretary,  
Technical Science Section, Ac.Sc. USSR

TITLE: Academician A. N. Tupolev

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh  
Nauk, 1958, Nr 11, p 3 (USSR)

ABSTRACT: Letter of congratulation on the occasion of his  
70th birthday.

SUBMITTED: November 10, 1958

Card 1/1

NEMCHENKO, V.S.; BOCHAROV, M.D.; KRISTOSTUR'YAN, N.G.; CHERKASOV, V.I.;  
 ANDREYANOV, V.V.; KAUFMAN, V.M.; PAKHMANOV, V.F.; ZVORYKIN, A.A.,  
 otv.red.; ANICHKOV, N.N., red.; BARDIN, I.P., red.; BLAGONRAVOV,  
 A.A., red.; VVEDENSKIY, B.A., red.; GRIGOR'YEV, A.A., red.;  
 KAPUSTINSKIY, A.P., red.; KOLMOGOROV, A.N., red.; MIKHAYLOV, A.A.,  
 red.; OPARIN, A.I., red.; PETROV, F.M., red.; STOLETOV, V.N., red.;  
 STRAKHOV, N.M., red.; FIGUROVSKIY, N.A., red.; KOSTI, S.D., tekhn.red.

[Biographical dictionary of leaders in the natural sciences and  
 technology] Biograficheskiy slovar' deiatelei estestvosnaniya  
 i tekhniki. Vol.1. A - L. Otvetstvennyi red. A.A.Zvorykin. Red.  
 kollegiya: N.N.Anichkov i dr. Moskva, Gos.nauchn.izd-vo "Bol'shaia  
 Sovetskaya Entsiklopediya." 1958. 548 p. (MIRA 12:4)

1. Redaktsiya istorii estestvosnaniya i tekhniki Bol'shoy Sovetskoy  
 Entsiklopedii (for Nemchenko, Bocharov, Kristostur'yan, Cherkasov;  
 Andreyanov, Kaufman, Pakhmanov).  
 (Scientists)

MESMEYANOV, A.N., akademik; TOPCHIYEV, A.V.; akademik; BLAGONRAVOV, A.A.,  
akademik.

To Academician Andrei Nikolaevich Tupolev twice honored as a  
hero of socialist labor. Izv. AN SSSR. Otd. tekhn. nauk no.11:  
4. N '58. (MIRA 12:1)

1. Prezident AN SSSR (for Mesmeyanov). 2. Glavnyy uchenyy sekretar'  
Prezidiuma AN SSSR (for Topchiyev). 3. Akademik-sekretar' Otdeleniya  
tekhnicheskikh nauk AN SSSR (for Blagonravov).  
(Tupolev, Andrei Nikolaevich, 1888-)

SOV/24-58-11-3/42

AUTHORS: Nesmeyanov, A. N. Academician, President Ac.Sc., USSR,  
Topchiyev, A. V., Chief Scientific Secretary, Presidium  
Ac.Sc., USSR and Blagonravov, A. A., Academician, Secretary,  
Technical Science Section, Ac.Sc. USSR

TITLE: Academician A. M. Terpigorev

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh  
Nauk, 1958, Nr 11, p V (USSR)

ABSTRACT: Letter of congratulation on the occasion of his  
85th birthday and the 60th anniversary of his scientific  
and teaching activities.

SUBMITTED: November 21, 1958

Card 1/1